

KURBANOV, I.M.

Case of purulent leptomeningitis of odontogenic origin. Azerb.med.
zhur. no.11:69-71 N '59. (MIRA 13:4)
(MENINGITIS) (JAWS--DISEASES)

SOPRUNOV, F.F.; KURBANOV, Kh.

Tagging erythrocytes with the radioisotope P³². Izv. AN Turk. SSR
no.2:81-82 '56. (MLRA 9:8)

1. Turkmenskiy gosudarstvennyy meditsinskiy institut imeni I.V.
(Erythrocytes) (Phosphorus--Isotopes)

SOPRUNOV, F.F.; STEFANOVSKAYA, N.V.; KURBANOV, Kh.

Rates of renewal and characteristics of the biosynthesis of proteins of the blood plasma and skin in rabbits. Vop. med. khim. 11 no.2:46-54 Mr-Ap '65. (MIRA 18:10)

1. Institut meditsinskoy parazitologii i tropicheskoy meditsiny imeni Ye.I.Martsinovskogo Ministerstva zdravookhraneniya SSSR, Moskva, i Turkmenskiy institut krayevoy meditsiny AMN SSSR.

KURBANOV, Kh.

Fractionation of proteins of the skin. Zdrav. Turk. 5 no.2:6-9
Mr-Apr '61. (MIRA 14:5)

1. Iz kafedry meditsinskoy khimii (ispolnyayushchiy obyazannosti
zaveduyushchego - dotsent N.N.Grigor'yants, nauchnyy rukovoditel'
prof. F.F.Soprunov) Turkmenskogo gosudarstvennogo meditsinskogo
instituta imeni I.V.Stalina.
(PROTEINS) (SKIN)

KURBANOV, K.A.; D'YACHISHINA, V.M.

Gas logging research in exploratory wells. Azerb.neft.khos.
35 no.4:1-4 Ap '56. (MLRA 9:10)

(Oil well logging)

KURBANOV, K.A.

Tectonics of the Kura oil area [in Azerbaijani with summary in Russian]. Azerb. neft. khoz. 37 no.5:8-12 My '58. (MIRA 11:8)
(Kura Lowland--Geology, Structural)

KURBANOV, K.G.

Pneumoperitoneum as one of the methods for the differential diagnosis of diseases of the abdominal cavity. Azerb. med. zhur. no. 4:31-34 Ap '61.
(MIRA 14:4)

1. Iz kafedry operativnoy khirurgii s topograficheskoy anatomiyei (zav. - zasluzhennyy deyatel' nauki, prof. G.R. Kurbanov) 14 "b" khirurgicheskogo otdeleniye bol'nitsy imeni Semashko (glavnyy vrach - zasluzhennyy vrach respubliky A.A. Ismaylov).
(PNEUMOPERITONEUM) (ABDOMEN—DISEASES)

KURBANOV, Kh. K.

USSR / Forestry. Forest Cultures.

K

Abs Jour: Ref Zhur-Biol., No 7, 1958, 29600.

Author : Kurbanov, Kh. K.

Inst : Not given.

Title : The Tasks of Forest Cultivation in the Tadzhik
SSR.
(Zadachi lesorazvedeniya v Tadzhikskoy SSR).

Orig Pub: Sb.: Lesorazvedeniye v Tadzhikistane. Stalina-
bad, AN TadzhSSR, 1957, 7-10.

Abstract: No abstract.

Card 1/1

71

KURBANOV, Kh.M.; RUMANOVA, I.M.; BELOV, N.V., akademik

Crystalline structure of probertite $\text{CaNa}[\text{B}_5\text{O}_7(\text{OH})_4] \cdot 3\text{H}_2\text{O}$. Dokl
AN SSSR 152 no.5:1100-1103, 1963.

APPROVED FOR RELEASE: 08/23/2000. CIA-RDP86-00513R000927620012-2
(para 18,12)

RUMANOVA, I. M.; ASHIROV, A.; KURBANOV, Kh. M.

"Application of sign relations to crystal-structure determination of two borate minerals lessertite $\text{Mg}[\text{B}_3\text{O}_3(\text{OH})_5] \cdot 5\text{H}_2\text{O}$ and probertite $\text{NaCa}[\text{B}_5\text{O}_{10}(\text{OH})_4] \cdot 3\text{H}_2\text{O}$."

report submitted for 6th Gen Assembly, Intl Union of Crystallography, Rome, 9 Sep 63.

Inst of Crystallography, AS USSR, Moscow:

PHASE I BOOK EXPLOITATION 763

Saakyan, A. and Kurbanov, L.

Kratkiy ocherk ekonomicheskogo razvitiya Turkmenskoy SSR (Brief Outline of the Economic Development of the Turkmen SSR) Ashkhabad, Turkmengosizdat, 1957.
193 p. 4,000 copies printed.

Ed.: Zotov, D.A.; Tech. Ed.: Volyanskaya, O.A.

PURPOSE: This is an economic survey of Turkmen industries intended for the general reader.

COVERAGE: The book covers the field of Turkmen industrial history from imperial times to 1956. The introduction surveys the main present-day economic problems faced by this Republic and evaluates the position of Turkmenia within the Union. Individual chapters deal chronologically with the growth of Turkmen industrial potential. The book contains figures and data on various aspects of the Turkmen national economy. In the text, there are 45 Soviet references, 50 tables, and 11 illustrations.

Card 1/2

Brief Outline of the Economic Development (Cont.)	763
Introduction	5
Ch. I. Cultural and Economic Conditions in Turkmenistan Before the Revolution	10
Ch. II. Economic Development of Turkmenistan Before the First Five Year Plan	20
Ch. III. Development of the Turkmen National Economy During the Prewar Five Year Plans	49
Ch. IV. The Turkmen National Economy During World War II	79
Ch. V. Postwar Economic Development of the Turkmen SSR	102
Ch. VI. Steady Rise in Living Standards and Cultural Level of the Turkmen Working Class	146
Ch. VII. Economic and Cultural Growth of the Turkmen SSR in the Sixth Five Year Plan	186

AVAILABLE: Library of Congress (HC487.T84S2)

Card 2/2

MM/fal
11-5-58

ACC.NR: AT6011160

SOURCE CODE: UR/3197/65/000/002/0351/0360

AUTHOR: Kurbanov, M.

ORG: none

TITLE: Investigation of contemporary movements at the Ashkhabad geophysical test area

SOURCE: AN EstSSR. Institut fiziki i astronomii. Sovremennyye dvizheniya zemnoy kory. Recent crustal movements, no. 2, 1965, 351-360

TOPIC TAGS: ~~leveling~~, triangulation, ^{earth crust} ~~crustal movement~~, geodetic survey, geophysical ~~survey, geophysical test area~~ expedition, geophysics research facility

ABSTRACT: The author describes the tasks and program of multidiscipline investigations carried out at the Ashkhabad geophysical test area [polygon]. The polygon is situated in the most mobile part of the Cis-Kopetdag downwarp. This downwarp has a complicated geological structure; deep faults divide the downwarp into blocks characterized by different displacement amplitudes. According to repeated leveling on the Ashkhabad—Dushak line, contemporary movements have been characterized by significantly high rates: uplift of 33 mm/yr in the Geok-Tepe region and subsidence of 20—25 mm/yr in the Ashkhabad-Gyaurs region. Triangulation, carried out before and after the 1948 earthquake, showed horizontal displacements of the surface in the Ashkhabad region. The displacement is 180 cm toward the north. The boundaries of the zone of horizontal displacements coincide well with those of the zone of large

Card 1/2

UDC: 550.342

L 38381-66

ACC NR: AT6011160

vertical displacements. The gravitational field of the downwarp has a negative value, and local anomalies of the field are related to local structural elements; large gravity gradients correspond to the zones of crustal deformation. Seismic data showed that there were several horizons with different velocities in the crust. The Ashkhabad region is characterized by maximum seismicity. Earthquake epicenters are associated with zones of structural deformation. Most earthquake foci are situated in the zone of subsidence, and only rarely in the zone of uplift. The author proposes that the following multidiscipline investigations be carried out at the Ashkhabad polygon: (1) annual repeated leveling; (2) multiple line measurements; (3) tiltmeter observations to detect block movements; (4) gravimetric measurements to detect secular gravity changes (5) magnetometric observations; (6) seismic observations; (7) geomorphological investigations. [JJ]

SUB CODE: 08/ SUBM DATE: none/ ORIG REF: 005/

Card 2/2 *mcp*

MAMEDOV, Kh.M.; KURBANOV, M.

Occurrence of mercury and antimony in the western Kopet-Dag. Izv.
AN Turk. SSR. Ser. fiz.-tekhn., khim. i geol. nauk no.4:108-112 '63.
(MIRA 17:2)

1. Institut geologii AN Turkmensoy SSR.

KURBANOV, M.; IZMAYLOVA, R.; RYABOKONENKO, S.

Applicability of geophysical prospecting methods in the search
for polymetallic deposits of the Kugitangtau Ridge. Izv. AN Turk.
SSR.Ser. fiz.-tekhn., khim. i geol.nauk no.6:118-119 '63.

(MIRA 18:1)

1. Otdel razvedochnoy geofiziki i seysmologii AN Turkmen'skoy
SSR.

KURBANOV, M.

Some regularities connected with changes in the density of
rocks in Turkmenistan. Izv. AN Turk. SSR. no.1:36-44 '59.
(MIRA 12:5)

1. Institut fiziki i geofiziki AN Turkmenskoy SSR.
(Turkmenistan--Rocks--Density)

Kurbanov, M.

S/165/59/000/04/01/026

AUTHORS: Kurbanov, M. and Nepesov, R.D.

TITLE: On the Problem of Interrelation Between ¹²Magnetic and ¹²Gravitational ¹²Anomalies and ¹²Seism and Present Earth Disturbances in Turkmenistan

PERIODICAL: ¹²Izvestiya Akademii nauk Turkmenskoy SSR, 1959, No. 4, pp. 3 - 9

TEXT: The authors discuss seismic features of Turkmenistan and a possible connection between its marked earthquake tendency and magnetic and gravitational anomalies. Heavy earthquakes have occurred in the areas of Kazandzhik on September 4, 1946 and Ashkhabad on October 6, 1948. Between 1911-1957, 171 epicenters were registered in Turkmenistan not including those determined by GEOFI, AS USSR expeditions undertaken in 1949, 1951-1952 and 1953, as shown in Table 1. A map showing the epicenters in the Turkmenskaya SSR, compiled from data by Yu.N. Godin and others, is shown in Figure 1. Expeditional data and depth of Seismic focus (A) and teleseismological and regional data on earthquake force (B) are given. This is followed by a detailed enumeration of areas and a description of their geological structure. Ye.F. Savarenskiy (Ref. 8) questioned the existence of the epicenter with coordinates 56.6 E/41.1 N, whereas research of VSEGEI reported several local earthquakes. The percentage of epicenters is highest in granite.

Card 1/3

S/165/59/000/04/01/026

On the Problem of Interrelation Between Magnetic and Gravitational Anomalies and Seism and Present Earth Disturbances in Turkmenistan

basalt regions decreasing in basalt-ultrabasalt areas (Ref. 1 and 7). In the post-tertiary age upheavals have been noted in Kopet-Dag and in the Maliy and Bolshoy Balkhan; a subsidence was recorded in the valley of Kopet-Dag, in the Danatinskiy and Balkhanakiy corridors and in the Caspian Depression. They coincide with the latest earth movements along the Krasnovodsk-Ashkhabad-Dushak railroad as registered in 1936, 1950 and 1957 by *Proyektno-izyskatel'naya gruppa sluzhby puti Ashkhabadskoy zheleznoy dorogi* (Planning and Research Service Group of Ashkhabad railroad) and by *Proyektnaya Kontora Turkestano-Sibirskoy zheleznoy dorogi Ministerstva putey soobshcheniya SSSR* (Planning Bureau of the Turkistan-Siberian railroad at the USSR Ministry of Transport). The changes in surface level are shown in Figure 2. The upper curve shows the difference in 1936-1950 levels along Krasnovoisk-Bami railroad and the lower curve provides the same data for 1936 for Bami-Dushak railroad. Level changes (Ref. 1) and gravitational anomalies (Ref. 2) are shown in Figure 3. Ye.M. Butovskiy and Ya.D. Kovalenko state that 100 km north of Ashkhabad the level had remained unchanged before and after the 1948 earthquake (Ref. 3). In the Fribalkhanskiy rayon a considerable number of epicenters coincide with abrupt changes in the horizontal gravity gradient which reaches 40 E. The epicenters of Ashkhabad and Krasnovodsk zones

Card 2/3

S/165/59/000/04/01/025

On the Problem of Interrelation Between Magnetic and Gravitational Anomalies and Seism and Present Earth Disturbances in Turkmenistan

coincide with considerable positive magnetic anomalies (Ref. 9), stretching along the Kopet-Dag ridge and across Malyy and Bolshoy Balkhan to the Caspian Sea. The relation between seismic factors and the magnetic pole is shown in Figure 4. The authors express their appreciation to the Doctor of Geological and Mineralogical Sciences B.A. Andreyev. There are 4 figures, 1 table and 10 Soviet references.

ASSOCIATION: Institut fiziki i geofiziki AN Turkmenskoy SSR (Institute of Physics and Geophysics at the AS Turkmenskaya SSR) ✓

SUBMITTED: September 8, 1958

Card 3/3

PETROPAVLOVSKIY, Ye.I.; KURBANOV, M.A.

Effect of the cooking method and of the initial sirup concentration on the quality of preserves. Kons. i ov. prom. 18 no.12:14-17 D '63. (MIRA 17:1)

1. Krasnodarskiy institut pishchevoy promyshlennosti.

MAMEDOV, Kh.M.; KUMAROV, M.G.; CHILINGAROV, E.A.

Some high-efficiency production methods at the P.Montin Machinery
Plant. Sbor.nauch.-tekh.inform.Azerb.inst.nauch.-tekh.inform.Ser.
Mashinostro.prom. no.4:41-51 '62.

(MIRA 18:8)

KLOCHKO, M.A.; KURBANOV, M.Sh.

Use of physicochemical analysis in the study of the system : phosphoric acid - water. Izv.Sekt.fiz.-khim.anal. 24:252-263 '54.
(MIRA 8:4)

1. Institut obshchey i neorganicheskoy khimii im.N.S.Kurnakova
Akademii nauk SSSR.
(Phosphoric acid)

KLOCHKO, M.A.; KURBANOV, M.Sh.

Use of physicochemical analysis in the study of the system: sulfuric
anhydride - water. Izv. Sekt.fiz.-khim.anal. 24:264-276 '54.
(MIRA 8:4)

1. Institut obshchey i neorganicheskoy khimii im. N.S.Kurnakova
Akademii nauk SSSR.

(Sulfur trioxide)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620012-2

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620012-2"

IBRAGIMOV, E.S.; DOZORTSEV, A.G.; KURBANOV, N.G.

New 2guts-400 cement head. Mash. i neft. obor. no.7:19-23 '65.
(MIRA 18:12)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut neftyanogo
mashinostrroyeniya.

DANIYELIAN, A.A.; IBRAGIMOV, E.S.; KURBANOV, N.G.

Basic trends in the over-all mechanization of extradeep well
cementing. Azerb.neft.khoz. 41 no.8:40-44 Ag '62.
(Oil well cementing) (MIRA 16:1)

IBRAGIMOV, E.S., inzh.; KURBANOV, N.G., inzh.

Remote control of pumping units. Mekh.i avtom.proizv..16 no.5:
6-7 '62.

(MIRA 16:5)

(Oil well pumps)

(Remote control)

9,1300

23720
S/057/61/031/006/004/019
B109/B207

AUTHORS: Lomize, L. G., Kurbanov, O. M.

TITLE: Effect of the spread of the electron velocity upon the radiation of uniformly moving electron clusters in waveguide systems

PERIODICAL: Zhurnal tekhnicheskoy fiziki, v. 31, no. 6, 1961, 657-664

TEXT: Relations are derived for the quantitative determination of the influence of the spread of electron velocity in waveguide radiation. If the clusters move along the z-axis, the current transported by them is, at a point z, given by

$$I = \int_{-\infty}^{\infty} v q' \left(t - \frac{z}{v} \right) q''(v) dv. \quad (I),$$

where v denotes the velocity; q', q'', are the factors of the separation ansatz for $q(t, v) = q'(t)q''(v)$ (1); $q(t, v)dtdv$ is the charge transported in the velocity interval $v + dv$ during the time dt. If (I) is expanded in a Fourier series, the following is obtained for the harmonics of the

Card 1/7

23720

Effect of the spread of the electron...

S/057/61/031/006/004/019
B109/B207

current:

$$i_n = \int_{v_1}^{v_2} v q'_n e^{j\omega_n t - \frac{t}{\tau_n}} q''(v) dv =$$

$$= \int_{\gamma_1}^{\gamma_2} \frac{\omega_n}{\gamma_n^2} q'_n e^{j(\gamma_1 \tau_n - \omega_n t)} q''\left(\frac{\omega_n}{\gamma_n}\right) d\gamma_n, \quad (2)$$

where $\gamma_n = \frac{\omega_n}{v}$ and q'_n is the Fourier coefficient. Assuming that

$$q''(v) = \frac{v_0}{v} \frac{1}{\Delta v} = \frac{1}{v \ln\left(\frac{v_2}{v_1}\right)} \quad \text{for } v_1 \leq v \leq v_2, \quad (3)$$

$$q''(v) = 0 \quad \text{for } v < v_1 \text{ and } v > v_2,$$

where $\Delta v = v_2 - v_1$ and $\Delta v \ll v$, the following is obtained:

$$i_n = \frac{2I_{0n}}{\Delta\gamma_{n2}} \sin \frac{\Delta\gamma_{n2}}{2} e^{j(\gamma_{n1}\tau_n - \omega_n t)}, \quad (4),$$

where $\gamma_{n1} = \frac{\omega_n}{v_1}$, $\gamma_{n2} = \frac{\omega_n}{v_2}$, $\Delta\gamma_{n2} = \gamma_{n1} - \gamma_{n2}$, $\gamma_{n0} = \frac{\gamma_{n1} + \gamma_{n2}}{2}$, $I_{0n} = v_0$. (II)

Card 2/7

23720

S/057/61/031/006/004/019
B109/B207

Effect of the spread of the electron...

is valid and q'_n denotes the amplitude of the harmonic at the input of the emitter. If the effect of radiation upon the structure of the electron beam is neglected, the radiated power is

$$P = \sum_{mn} (P_{mn} + P_{-mn}) \quad (5),$$

where

$$P_{\pm mn} = \frac{1}{16\rho_{mn}} \left| \int_V j E_{\mp mn} dV \right|^2, \quad (6)$$

(j is the complex amplitude of current density, $E_{\mp mn}$ the complex amplitude of the electric field of the mn-th wave, and p_{mn} the power of the mn-th wave.)

$$P = R_r I_0^2 \quad (7)$$

follows from (4), (5), (6); R_r is the radiation resistance. When restricting oneself to a waveguide (Fig. 1a),

$$p_{mn}(H_{mn}) = \frac{ck_1 \gamma_{mn} ab}{32\pi s_{mn}^2}; \quad p_{mn}(E_{mn}) = \frac{ck_1 \gamma_{mn} ab}{32\pi s_{mn}^2}, \quad (8)$$

Card 3/7

23720

Effect of the spread of the electron...

S/057/61/031/006/004/019
B109/B207

holds for H_{mn} and E_{mn} , where $k = \omega/c$, $s_n = \pi n/b$, $s_m = \pi m/a$, $\gamma_{mn} = \sqrt{k^2 \epsilon_\mu - s_{mn}^2}$,
 $s_{mn}^2 = s_m^2 + s_n^2$. When introducing the dimensionless quantities

$$a = \frac{a}{\lambda}; \quad b = \frac{b}{\lambda}; \quad \gamma_{mn} = 2\pi \frac{\lambda}{\lambda_n}; \quad s_m = \frac{\pi m}{a}; \quad s_n = \frac{\pi n}{b}; \quad s_{mn}^2 = s_m^2 + s_n^2. \quad (\text{III}),$$

the equation

$$R_r = \frac{\beta_0^2}{4\pi c a b \lambda^2} \sum_{m=1}^{k_1} \sum_{n=1}^{k_2} \frac{1}{s_{mn}^2} \left[\frac{2\pi \mu s_m^2}{\gamma_{mn}} + \frac{\gamma_{mn} s_n^2}{2\pi \epsilon} \right] \times$$

$$\times \left\{ \left[\text{si} \left(\frac{2\pi}{\beta_1} + s_n \right) b - \text{si} \left(\frac{2\pi}{\beta_2} + s_n \right) b + \text{si} \left(\frac{2\pi}{\beta_1} - s_n \right) b - \text{si} \left(\frac{2\pi}{\beta_2} - s_n \right) b \right]^2 + \right.$$

$$\left. + \left[\ln \left| \frac{\left(\frac{2\pi}{\beta_1} \right)^2 - s_n^2}{\left(\frac{2\pi}{\beta_2} \right)^2 - s_n^2} \right| + \text{ci} \left(\frac{2\pi}{\beta_2} + s_n \right) b - \text{ci} \left(\frac{2\pi}{\beta_1} + s_n \right) b + \right.$$

$$\left. + \text{ci} \left| \frac{2\pi}{\beta_2} - s_n \right| b - \text{ci} \left| \frac{2\pi}{\beta_1} - s_n \right| b \right]^2 \right\}, \quad (9)$$

Card 4/7

Effect of the spread of the electron...

23720
S/057/61/031/006/004/019
B109/B207

is obtained from (4), (6), (8), which holds also for $\epsilon\mu\beta^2 > 1$ (Cherenkov effect); here,

$$\beta_{1,2} = \frac{v_{1,2}}{c}, \quad \beta_0 = \frac{(\beta_1 + \beta_2)}{2}, \quad x = \frac{(\beta_2 - \beta_1)}{\beta_0}; \quad (IV);$$

ci and si are the integral sine and cosine, respectively. The definition

$$\mathcal{L}_{mn} = \frac{R_{rmn}}{R_{r0mn}} \quad (V)$$

(R_{r0mn} at $\chi = 0$) shows that this quantity describes directly the influence of velocity spread upon R_r for different waves. The dependence of \mathcal{L}_{m0} on the relative spread of the electron velocity with respect to the energy $\Delta W/W_0$ at $W_0 = 0.1$ Mev is shown in Fig. 2 for the wave H_{m0} (s is the number of half electron wavelengths along b). Considering a cylindrical waveguide (Fig. 1b), the analogous computation leads to Fig. 3 ($\bar{L} = L/\lambda$) for $\Delta W/W_0 = 0.24$, $W_0 = 0.1$ Mev, $a/\lambda = 0.5$. The limit of R_r for $L \rightarrow \infty$ is given by

Card 5/7

23720

Effect of the spread of the electron...

S/057/61/031/006/004/019
B109/B207

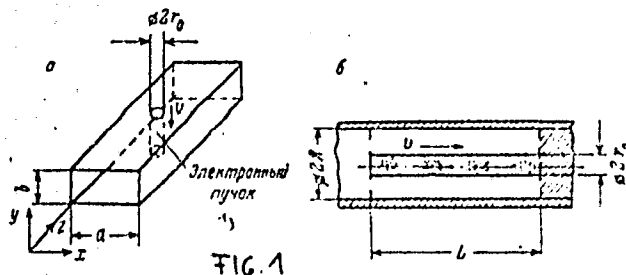
$$\lim_{L \rightarrow \infty} R_r = \frac{\beta^2}{16\pi^3 c \epsilon_0^2 \gamma^2} \sum_{n=1}^k \frac{\beta_n^2}{\gamma_n J_1^2(\gamma_n)} \ln^2 \left| \frac{\frac{2\pi}{\beta_1} - \gamma_n}{\frac{2\pi}{\beta_2} - \gamma_n} \right|. \quad (14).$$

V. L. Ginzburg and G. A. Askar'yan are mentioned. There are 3 figures and 8 Soviet-bloc references.

ASSOCIATION: Institut radiotekhniki i elektroniki Moskva (Institute of Radio Engineering and Electronics, Moscow)

SUBMITTED: April 13, 1960

Legend to Fig. 1:
1) Electron beam.



Card 6/7

L 1071-66 EWT(1)/T/EMA(h) IJP(c) AT

ACCESSION NR: AR5014412

UR/0058/65/000/004/E067/E067

SOURCE: Ref. zh. Fizika, Abs. 4E501

AUTHOR: ^{44.55}Adirovich, E. I.; ^{44.55}Kruchenetskiy, O. Ye.; ^{44.55}Kurbanov, O. M.; ^{43 B 44.55}Lunezhev, S. P.

TITLE: Using frequency-phase characteristics of impedance in the p-n junction for measuring short lifetimes ^{21.14.5}

CITED SOURCE: Dokl. AN UzSSR, no. 10, 1964, 11-14

TOPIC TAGS: semiconductor diode, carrier lifetime, semiconductor research

TRANSLATION: A theoretical basis and experimental proof is given for the possibility of using the phase shift between the voltage across a diode and the current through it to measure short lifetimes in semiconductor. In contrast to previously developed methods, this method does not require establishment of limiting operating conditions for the diode (conditions for the current or voltage generator). The method facilitates the measurement of lifetimes less than 10^{-9} sec. An experimental check of the method is made on an electrical analog of a diode. A. Stepanova

SUB CODE: EC

ENCL: 00

Card 1/1 ^{DP}

KAZANETS, I.; KUNAYEV, D.; SHUMAUSKAS, M. [Sumauskas, M.];
KOCHINYAN, A.; SADYKHOV, R.; RUBIN, V.; KURBANOV, R.

The entire country participates in foreign trade. Vnesh.
torg. 43 no.1:6-12 '68. (MIRA 17:8)

1. Predsedatel' Soveta Ministrov UkrSSR (for Kazanets).
2. Predsedatel' Soveta Ministrov KazSSR (for Kunayev).
3. Predsedatel' Soveta Ministrov Litovskoy SSR (for Shumauskas).
4. Predsedatel' Soveta Ministrov ArmSSR (for Kochinyan).
5. Zamestitel' Predsedatelya Soveta Ministrov AzerSSR (for Sadykhov).
6. Predsedatel' Soveta Ministrov Latvyskoy SSR (for Rubin).
7. Predsedatel' Soveta Ministrov Uzbekskoy SSR (for Kurbanov).

KURBANOV, R.I.

Shoots from scarified dry seeds of gum-yielding milk vetches in the soils of the mountainous regions of Azerbaijan. Dokl. AN Azerb. SSR 18 no.7:47-51 '62. (MIRA 17:2)

SOLOMATIN, G.G.; AKHMETSHIN, M.A.; KURBANOV, R.T.

Results of the use of fine sand in hydraulic fracturing. Nefteprom.
delo no.6:21-23 '65. (MIRA 18:10)

1. Turkmenskiy filial Vsesoyuznogo neftegazovogo nauchno-issledovatel'skogo instituta.

USSR/Cultivated Plants - Commercial. Oil-Bearing. Sugar-Bearing. M

Abs Jour : Ref Zhur Biol., No 18, 1958, 82416

Author : Sevost'yanov, F.G., Kurbalov, S., Purliyev, A.

Inst : Turkmen Agricultural Institute

Title : On the Organization and Application of Irrigation under the Conditions of Square-Pocket Planting of Cotton.

Orig Pub : Tr. Turkm. s.-kh. in-ta, 1957, 9, 35-42

Abstract : Observations on the organization of irrigation for cotton in 1956 on one of the plots at the "Bol'shvik" kol-khoz in Tedzhenskiy Rayon (Turkmen SSR) are described. The soil of the plot represents typical sierozem of medium water permeability. Planting was carried out by the row method with the spaces between rows of 45 centimeters, and after the appearance of the sprouts, the plants were distributed on 45 x 45 centimeters squares by means

Card 1/2

- 71 -

USSR/Cultivated Plants - Commercial. Oil-Bearing. Sugar-Bearing. M

Abs Jour : Ref Zhur Biol., No 18, 1958, 82416

of lateral cuts. With 6 irrigations of the average norm of 1000 cubic meters/ha, simultaneous drying of the soil and temporary water feeders, and a properly timed following up in the longitudinal-lateral direction were secured. Correct choice of the area and the dimensions of the plots being cultivated, their levelness, correct choice of the direction of the irrigation and formation of a permanent staff of watering attendants, equipment of the temporary network with water distributing devices are of a decisive importance in the preparation of the plan of irrigation and inter-row cultivation. The area of diurnal irrigation should equal the area of diurnal cultivation of the soil in two directions. -- B.L. Kiyachko-Garvich

Card 2/2

USMANOV, Kh.U.; TILLAYEV, R.S.; MUSAYEV, U.N.; KURBANOV, Sh.A.

Radiation-induced grafting of acrylonitrile into polyvinyl
alcohol. Khim. i fiz.-khim. prirod. i sint. polim. no.1:
207-214 '62 (MIRA 18:1)

1. Chlen-korrespondent AN UzSSR (for Usmanov).

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620012-2

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620012-2"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620012-2

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620012-2"

PHASE I BOOK EXPLOITATION

SOV/5588

Rasizade, Yasir Magomed Ogly, and Seyfulla Guseyn Ogly
Kurbanov

Gidravlicheskiy razryv plasta i voprosy oslozhneniy pri
bureniy skvazhin (Hydraulic Fracture of the Stratum and
Complications During Well Drilling) Baku, Azerneftneshr,
1960. 100 p. Errata slip inserted. 2,000 copies printed.

Ed. (Title page): A. Kh. Mirzadzhanzade, Professor, Doctor
of Technical Sciences; Ed. of Publishing House: T. B. Al'tman.

PURPOSE : This book is intended for engineers, scientific
workers, and advanced students in schools of higher technical
education.

COVERAGE: The authors discuss the problem of the changing
hydrodynamic pressure exerted on the walls of wells during
various drilling operations. The book represents the initial
attempt to systemize the problem and to review the material
available in this field. Results of investigations made by

Card-1/4

Hydraulic Fracture of the Stratum (Cont.)

SOV/5588

the authors under the guidance of Professor A. Kh. Mirzadzhanzade are given. The authors thank Doctor of Physics and Mathematics G. I. Barenblatt, Candidate of Technical Sciences Yu. P. Zheltov, and Aspirant G. G. Gasanov. Ch. I, pp. 28 to 32 of Ch. II, and Ch. IV were written Ya. M. Rasizade; S. G. Kurbanov wrote the remaining part of Ch. II. There are 111 references: 97 Soviet (1 translation), 13 English, and 1 unidentifiable.

TABLE OF CONTENTS:

Foreword	3
Ch. I. Hydraulic Fracture of Stratum Caused by Viscous and Viscous-Plastic Liquids	5
1. Mechanism of hydraulic fracturing of the stratum	5
2. Hydraulic fracturing of the stratum by a viscous-plastic liquid	10

Card 2/4

RRR 117, 1.1.

Kerzhey, V. F. and Kurbanov, J. K. "The rubberizing of the aluminum alloy in bearing in a turbine grill", Azerbaydzh. nauch. izvestiya, 1961, no. 12, p. 1-12.

So: B-3261, 10 April 53, (Leningrad Zhurnal Inzhenerov, no. 13, 1953).

KURBANOV, S.K.

Rubber coatings for turbodrill nipples and middle supports. Azerb. нефт.
khoz. 37 11:44-45 N '58. (MIRA 12:3)
(Turbodrills) (Protective coatings)

KUREANOV, S.K.

Rubberizing turbodrill bearing disc. Azerb. neft. khoz. 38 no.8:42-44
Ag '59. (MIRA 13:2)

(Turbodrills)

SULTANKHODZHAYEV, A. N.; SABIROV, K. A.; KURBANOV, S. Ya.

Water potential of Pre-Cambrian and Paleozoic formations in the
Fergana artesian basin. Uzb. geol. zhur. 6 no.5:40-54 '62.
(MIRA 15:10)

1. Institut gidrogeologii i inzhenernoy geologii AN Uzbekskoy
SSR.

(Fergana—Water, Underground)

KURBANOV, T.G.

Significance of the stimulation force for interoceptive effects on the adrenaline, acetylcholine, and sugar content and on the cholinesterase activity in the blood. Dokl. AN Azerb. SSR 20 no.1:75-79 '64.

(MIRA 17:4)

1. Predstavleno akademikom AN AzerSSR A.I.Karayevym.

KURBANOV, T.G.

Participation of central adrenoreactive formations in the realization of interoceptive metabolic reflexes. Dokl. AN Azerb. SSR 20 no.12:35-39 '64. (MIRA 18:4)

1. Sektor fiziologii AN AzerbSSR.

KURBANOV, U.

On the road of growth. Prom. koop. 12 no.3:5 Mr '58. (MIRA 11:3)

1. Nachal'nik Glavnogo upravleniya promyslovoy kooperatsii pri
Sovete Ministrov Tadzhikskoy SSR.
(Tajikistan--Cooperative societies)

KURBANOV, V., inzh.; MITSNEFES, M., inzh.

Unit for preparing and transporting lightweight concrete.

Stroitel' no.4:4-6 Ap '58.

(MIRA 11:5)

(Mixing machinery) (Lightweight concrete)

KURBANOV, Yu. R.: Master Agric Sci (diss) -- "The effect of early lambing on the productivity of sheep which are hybrid between the Dzhaydar and Lincoln breeds". Tashkent, 1959. 22 pp (Acad Sci Uzbek SSR, Inst of Zoology and Parasitology, Tashkent, Agric Inst), 160 copies (KL, No 13, 1959, 109)

KURBANOVA, A.

Problems that are waiting to be solved. Prom.koop. 13 no.10:25
0 '59. (MIRA 13:2)

1. Predsedatel' pravleniya Turkmenkovernoyuzn, Ashkhabad.
(Turkmenistan--Rug and carpet industry)

KURBANOVA, A.G., aspirant

Selecting a surgical method for uterine prolapse proceeding
from a comparative evaluation of late results. Azerb. med.
zhur. no.10:20-31 0 '61. (MIRA 15:6)

1. Iz khirurgicheskogo otdeleniya (zav. - prof. V.S.
Frinovskiy) Nauchno-issledovatel'skogo inatituta akusherstva
i ginekologii Ministerstva zdravookhraneniya RSFSR (direktor -
prof. O.V. Makeyeva).

(UTERUS--DISPLACEMENTS)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620012-2

ORDER AND COVERAGE: This book was prepared for the use of the following:

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620012-2"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620012-2

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620012-2"

L 58723-05
AM5015205

APPROVED FOR RELEASE: 08/23/2000

KURBANOVA, D.

Leaf miners injurious to trees and shrubs of the Kuba-Khamchas
zone of Azerbaijan. Uch. zap. AGU. Ser. biol. nauk no. 2:71-77
'64. (MIRA 19:1)

KURBANOVA, D.D.

The spindle tree moth *Hyponomeuta cognatellus* HB. (Lepidoptera,
Hyponomeutidae) in Azerbaijan. Ent. oboz. 42 no.1:85-90 '63.
(MIRA 16:8)

1. Azerbaydzhanskiy pedagogicheskiy institut, Baku.
(Azerbaijan--Ermine moths)
(Azerbaijan--Fruit--Diseases and pests)

GANIYEV, M.; EFENDIYEV, S.S.; KURBANOVA, F.A.

Growth promoting substance of petroleum origin as a factor helping
to improve the quality of water microflora research. Dokl. AN
Azerb. SSR 20 no.5:75-79 '64. (MIRA 17:8)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy veterinarnyy institut.

GASANOV, M.V.; EFENDIYEV, S.S.; KURBANOVA, F.A.

Helminthological study of the water area of Baku Bay.
Azerb. med. zhur. 41 no.8:61-65 Ag '64. (MIRA 18:11)

RECEIVED: March 27, 1968; REVISED: April 10, 1968; ACCEPTED: April 10, 1968.

"Hazardous Waste Site at Indian Bay, 1990-1991." *Environmental Health Perspectives*, 98: 117-122, 1992.

DAIDBEKOVA, E.A.; BABAYEVA, R.S.; GRIGORIYANTS, Z.G.; KURBANOVA, F.M.;
IBRAGIMOVA, B.M.; SHAMAILOVA, O.D.

Granulometric types of rocks and allothigene minerals. Trudy
GIN no.115:29-67 '65. (MIRA 18:12)

DAIDBEKOVA, E.A.; KURBANOVA, F.M.

Lithofacies characteristics of sediments in the producing formation
of the lower Kura Valley in connection with their oil potential.
Azerb. neft. khos. 38 no.8:13-15 Ag '59. (MIRA 13:2)
(Kura Valley--Petroleum geology)

KURBANOVA, F.M.; SHAMAILOVA, O.D.

Petrographic characteristics of silt and arenaceous rocks in the
producing formation of the lower Kura Lowland. Trudy AzNII DN
no.10:143-148 '60. (MIRA 14:4)
(Kura Lowland--Rocks, Sedimentary)

L 9492-66 ENT(m)/EWP(j)/T WH/RM

ACC NR: AP6001865

SOURCE CODE: UR/0199/65/007/012/2108/2111

AUTHOR: Kargin, V. A.; Sogolova, T. I.; Kurbanova, I. I.

ORG: Physicochemical Institute im. L. Ya. Karpov (Fiziko-khimicheskiy institut)

TITLE: Effect of artificial nuclei on the crystallization conditions and mechanical properties of crystalline polypropylene

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 12, 1965, 2108-2111

TOPIC TAGS: polypropylene, crystallization, polymer, solid mechanical property, nucleus

ABSTRACT: A study has been made of the effect of artificial crystallization nuclei on the morphological forms and mechanical properties of crystallizing polymers. Highly crystalline polypropylene specimens were used with or without 16% bismuth salicylate or titanium oxalate added as artificial crystallization nuclei. Morphology was studied with the MIN-8 polarizing microscope; the strength and deformability of the specimens were estimated with a pendulum type dynamometer. The specimens were prepared under different conditions (heating and cooling). The preparative conditions were shown to affect the diameter of the spherulite-type morphological forms produced; this diameter varied between 10 and 500 μ in individual experiments. Addition of artificial crystallization nuclei produced finer, more uniform morphological forms, accelerated crystallization, and improved the strength and deformability of specimens in a wide temperature range. Stretching of polypropylene specimens pre-

Card 1/2

UDC: 542.65+678.01:53+678.7

L 9492-66

ACC NR: AP6001865

pared with the added artificial nuclei formed necks whose structure was more uniform than that of those formed under similar conditions by the original polypropylene. Orig. art. has: 4 figures. [B0]

SUB CODE: 20, 07/ SUBM DATE: 20Jan65/ ORIG REF: 006/ ATD PRESS: 4/62

bebi
Card 2/2

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620012-2

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620012-2"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620012-2

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000927620012-2"

KHRAMOV, O.O., kand. ekon. nauk, otv. red.; KURBANOVA, L.M., red.;
KADASHEVICH, O.O.[Kadashevych, O.O.], tekhn. red.

[Put the minerals of the Ukraine in the service of the building of communism] Korysni kopalyny Ukrainy - na sluzhbu komunistychnomu bidivnytstvu. Kyiv, Vyd-vo AN URSR, 1962. 270 p.
(MIRA 16:1)

1. Akademiia nauk URSR, Kiev. Instytut ekonomiky.
(Ukraine--Mines and mineral resources)

KURBANOVA, M.

Progressive activity of Russian doctors in prerevolutionary Turkmenia. Izv.AN Turk.SSR. no.1:14-17 '55. (MLBA 9:5)

1. Turkmenskiy gosudarstvennyy meditsinskiy institut imeni I.V. Stalina.

(TURKMENISTAN--PUBLIC HEALTH)

231. THE DIAGNOSTIC IMPORTANCE OF PROWAZEK'S BODIES IN THE INITIAL STAGE AND IN SUSPECTED CASES OF TRACHOMA (Russian text). Kurbanova M. Kh. SBORN. TRUD. AZERBAIJAN. OPTAL. INST. 1956, 1 (20-21)

Investigations were carried out on 24 patients with stage I trachoma and in 24 patients with suspected trachoma. Prowazek's bodies were found in 13 patients with stage I trachoma and in 6 out of 9 patients with suspected trachoma. The diagnostic value of Prowazek's bodies is demonstrated.

(9)

KURBANOVA, M.M.

Comparative evaluation of the effect of atropine and of atropine
combined with sympathomimetic preparations on the accommodation
and angle of deviation of the eye in convergent strabismus. Azerb.
med.zhur. no.1:67-72 Ja '60. (MIRA 13:5)

(ATROPINE)

(SYMPATHOMIMETICS)

(EYE--ACCOMMODATION AND REFRACTION)

(STRABISMUS)

KURBANOVA, M. M.

Cand Med Sci - (diss) "Shifts in refraction and changes in the angle of deviation in concomitant convergent strabismus under the action of several vegetative poisons." Baku, 1961. 17 pp; (Azerbaydzhan State Med Inst imeni N. Narimonaov); 200 copies; free; (KL, 6-61 sup, 238)

ADIGEZALOVA-POLCHAYEVA, K.A.; KURBANOVA, M.M.; SAFAROVA, T.A.; ALEKPEROVA, A.D.

Results of different methods of treating trachoma in rural
localities. Azerb. med. zhur. no.12:17-22 D '61. (MIRA 15:3)
(CONJUNCTIVITIS, GRANULAR)

KURBANOVA, M.M.

Practical importance of the use of adrenaline in the process
of amblyopia treatment and the restoration of binocular vision
in concomitant strabismus. Azerb. med. zhur. 42 no. 7:14-18
Jl '65 (MIRA 19:1)

AUTHORS: Sindeyeva, N. D., Kurbanova, N. Z. SOV/20-120-2-36/63

TITLE: On the Clarks of Selenium in Some Rocks of the USSR (O klarke selena v nekotorykh gornykh porodakh SSSR)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol. 120, Nr 2, pp. 353 - 355 (USSR)

ABSTRACT: There are no works specially devoted to the distribution of selenium in the rocks of the earth's crust. The data of different authors for the selenium clark are given in table 1. They may be subdivided into 2 groups: 1) Quantities obtained by the analysis of concrete natural objects; 2) Quantities obtained by the comparison of actual data with data of earlier investigations, ~~only~~ mere mathematical computations. In 1955-1957 the authors performed a work with the aim to determine the distribution of selenium in different types of rock in the USSR. The average values obtained in this connection (table 2) for the time being do not yet permit any statement that the clark-contents in rocks of different basicity are highly different from each other. At the same time a certain accumulation of selenium in certain regions, e.g. the region of Magadan, becomes evident. From the analyses of table 2 the conclusions may be drawn that selenium

Card 1/2

On the Clarks of Selenium in Some Rocks of the USSR SOV/20-120-2-36/63

is contained in acid, basic and alkaline rocks in larger amounts than was reported in earlier investigations (References 1,13). The authors' analyses yielded $1,5 \cdot 10^{-5}\%$, on the average

$\sim 1,4 \cdot 10^{-5}\%$. At the end data on the distribution of selenium in the world (References 9,11,12) are given. In the Pribaltika 3 schist samples showed contents of from $3 \cdot 10^{-5}$ to $5 \cdot 10^{-4}\%$ (table 2). All these data are not yet sufficient for drawing conclusions on the selenium contents in sedimentary rocks of the USSR. There are 3 tables and 13 references, 6 of which are Soviet.

ASSOCIATION: Institut mineralogii, geokhimii i kristalloghimii redkikh elementov Akademii nauk SSSR (Institute for Mineralogy, Geochemistry and Crystal Chemistry of Rare Elements, AS USSR)

PRESENTED: March 3, 1958, by D. I. Shcherbakov, Member, Academy of Sciences, USSR

SUBMITTED: February 26, 1958

Card 2/2

1. Selenium--Determination 2. Rock--Properties 3. Rock--Analysis

ACCESSION NR: AT4028289

8/2677/63/000/010/0136/0157

AUTHOR: Garmash, A. A.; Kurbanova, N. Z.

TITLE: Selenium and tellurium in the ores of the Zolotushinskaya deposit
(Rudnyy Altay)

SOURCE: AN SSSR. Institut mineralogii, geokhimi i kristalloghimi redkikh elementov. Trudy*, no. 10, 1963. Redkiye elementy v sul'fidnykh mestorozhdeniyakh (Rare-earth elements in sulfide deposits), 136-157

TOPIC TAGS: geology, ore deposit, mineralogy, mineral deposit, selenium, tellurium, rare element, mineral formation, geochemistry

ABSTRACT: In 1958-1960 a study was made of the peculiarities of distribution of rare elements in the iron pyrite-polymetallic deposits of the Zolotushinskaya ore-bearing zone, one of the typical polymetallic deposits of the Rudnyy Altay. The principal results incorporated in this paper are information on the distribution of selenium and tellurium in ore-forming minerals, the form in which these elements are found and a description of their geochemical behavior in the process of hypogene mineral formation. The article includes a description of the geological structure of the deposit; the mineral composition of the ores; paragenetic associations and the conditions under which they were formed; and the most likely

Card 1/2

ACCESSION NR: AT4028289

circumstances under which these rare elements can be found. In this deposit the ores were formed in a prolonged process against a background of insignificant tectonic movements and without metamorphosis of the ores. The lead-copper-zinc ores containing Se and Te developed from a single hydrothermal solution. Before crystallization of galena the selenium and tellurium were concentrated in chalcopyrite and pyrite. There was a general tendency for Se and Te to accumulate in late paragenetic associations, crystallizing among chloritic rocks. Selenium is present as an isomorphic admixture in the crystal lattice of sulfides, not forming its own minerals. Different Te compounds are characteristic for different paragenetic associations. Bismuth and gold tellurides are most common in copper-zinc ores and silver and lead tellurides in lead-zinc ores. Orig. art. has: 6 tables and 6 figures.

ASSOCIATION: Institut mineralogii, geokhimii i kristallokhimii redkikh elementov
(Institute of Mineralogy, Geochemistry and Crystallochemistry of Rare Elements)

SUBMITTED: 00

DATE ACQ: 16Apr64

ENCL: 00

SUB CODE: AS, EL

NO REF EOY: 016

OTHER: 001

Card 2/2

POLAK, A.F.; KARLOVA, L.G.; KURBANOVSKAYA, O.G.

Formation of nuclei of a new hydrate phase in the hardening of
monomineral binders. Koll.zhur. 26 no.2:230-234. Mr-Apr '64.

(MIR: 17:4)

1. Bashkirskiy nauchno-issledovatel'skiy institut po stroitel'stvu,
Ufa.

KURBANZADE, A.G., aspirant

Changes in blood coagulation factors under the influence of
ostéosynthesis with metal pin in fractures of tubular bones.
Azerb. med. zhur. 40 no.8:27-34 Ag '63.

(MIRA 17:12)

1. Iz gosital'noy khirurgicheskoy kliniki Azerbaydzhanskogo
gosudarstvennogo meditsinskogo instituta imeni N. Narimanova.

MAKHMUDBEKOV, B.M., prof. (Baku, ul. Tolstogo, 171, kv.8); KURBAN SADE, A.G.

State of the blood coagulation system and its significance in some types of injury. Ortop., travm. i protez. 25 no.7:35-41 Ял '64.
(MIRA 18:8)

1. Iz gosital'noy khirurgicheskoy kliniki (zav. kafedroy - zasluzhennyy deyatel' nauki prof. B.M.Makhmudbekov) Azerbayizhanskogo meditsinskogo instituta imeni Narimanova.

KURBANZADE, A.M.

Determining the different horizons as revealed in the vertical section of the pay stratum of the Balakhany-Sabunchi-Romany deposit. Dokl. AN Azerb.SSR 13 no.5:519-523 '57. (MLRA 10:7)
(Apsheiron Peninsula--Petroleum geology)

KURBANZADE, A.M.

KURBANZADE, A.M.

Effect of the lithology of wall rocks on the specific weight of the
Kirmaki oil [in Azerbaijani with summary in Russian]. Azerb. neft.
khoz. 36 no.9:1-3 S '57. (MIRA 11:2)
(Azerbaijan--Petroleum geology)

KURBANZADE, A.M.

Factors determining the accumulation of sediments in the Kirsaki series of the Fat'mai-Zykhskaia anticlinal zone [in Azerbaijani with summary in Russian]. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk no.4: 79-88 '58. (MIRA 11:12)

(Apsheron Peninsula--Petroleum geology)

AGALAROV, M.S.; KURBANZADE, A.M.

Changes in the specific weights of the petroleum of the lower horizon in the Kirmaki series of the Fatmaty-Zykh anticlinal zone. Azerb.neft.khoz. 41 no.5:9-11 My '62. (MIRA 16:2)
(Apsheron Peninsula--Petroleum--Density)

NAKHODKIN, M.D., kandidat tekhnicheskikh nauk; KHVOSTOV, V.S., kandidat tekhnicheskikh nauk; KURBASOV, A.S., inzhener; KLIMOV, V.F., kandidat tekhnicheskikh nauk, redaktor; KHITROV, P.A., tekhnicheskii redaktor.

[Investigation of direct-current electric traction engine units]
Issledovanie raboty uzlov tiagovykh elektrodvigatelei postoiannogo toka. Moskva, Gos.transp. zhel-dor. izd-vo, 1956. 93 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy, no. 122). (MLRA 9:10)
(Electric locomotives)

KURBASOV, A. S., Cand Tech Sci -- (diss) "Study of ~~the~~ con-
ditions of ~~R~~ rotary fire formation and transfer to the frame-
work in traction electromotors." Mos, 1957. 14 pp with
graphs (Min of ^{Railways} ~~Communication~~, All-Union Sci Res Inst of
Railroad Transport), 100 copies (KL, 1-58, 118)

- 58 -

~~KURBASOV, A. S.~~ inzhener.

Investigation of the conditions producing flashes in the collector
of electric traction engines. Vest. TSNII MPS no. 2:23-27 Mr '57.

(MLRA 10:4)

(Electric locomotives)

KURBASOV, A.S., kand. tekhn. nauk

Designing binding wire for electric railway motors. Vest. TSNII
MPS no. 5:23-25 J1 '58. (MIRA 11:8)
(Electric railway motors)

8(2)(5)

AUTHOR:

Kurbasov, A. S., Engineer

SOV/105-58-11-13/28

TITLE:

On the Conditions of the Formation of Flashover or Arcing to the Enclosure in Traction Motors (Ob usloviyakh obrazovaniya krugovogo ognya ili perebrosa na ostov u tyagovykh elektrodvigatelye)

PERIODICAL: Elektrichestvo, 1958, Nr 11, pp 55-58 (USSR)

ABSTRACT:

This paper covers the continuation of the tests carried out by the author in the work presented in reference 4. This work is an approach to the problem under what conditions a single flashover will spread to the adjacent commutator segments. For this purpose the test plant described in reference 4 was supplemented by another circuit with certain parameters. An unequivocal dependence of the maximum flashover current in the circuit of the scheme, which causes the flashover to the adjacent commutator segment pair upon the commutator pitch was established. This dependence reflects the conditions for the transition from a single flashover to a commutator flashover. A commutator flashover is to all intents and purposes an electric arc, which either shunts a considerable

Card 1/3

SOV/105-58-11-13/28

On the Conditions of the Formation of Flashover or Arcing to the Enclosure in Traction Motors

portion of the commutator segments or even all of the segments between brushes of different polarity. On the strength of the relation determined, it may be concluded that in all railroad traction motors in which a heavy isolated flashover with an amperage not exceeding 2 000 A may occur a spread of this flashover to adjacent commutator segments is unavoidable. In the auxiliaries with a maximum flashover amperage of 40 - 100 A a further development of flashover is impeded. These conclusions were substantiated by operational experience. A single flashover may apart from commutator flashover, the electrodes of which are the commutator segments, facilitate the development of a sparkover across the distance between the commutator and the enclosure. The author was not in a position to construct a test plant for the study of this phenomenon, although the difficulties connected with this problem are by all means surmountable. For this reason tests were only made concerning the sparkover from a single flashover to the enclosure parts above the commutator and to the end shield. The experiments provided answers to the following questions: 1) Whether a single flashover occurs in

Card 2/3

SOV/105-58-11-13/28

On the Conditions of the Formation of Flashover or Arcing to the Enclosure
in Traction Motors

the respective machine; 2) if this happens, what is the intensity of such a flashover; 3) whether a single flashover of a given intensity may lead to a commutator flashover or to a sparkover. The principal criterion for the occurrence of a single flashover is the maximum permissible voltage between segments. In present-day commutators this voltage is 33-34 V. There are 7 figures and 4 Soviet references.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta (All-Union Scientific Research Institute of Railroad Transportation)

SUBMITTED: August 2, 1957

Card 3/3

KURBASOV, A.S., kand. tekhn. nauk

Insulation efficiency of electric traction motors. Trudy TSNII MPS
no.172:27-36 '59. (MIRA 13:2)
(Electric insulators and insulation)
(Electric railway motors)

KUREASOV, A.S., kand. tekhn. nauk

Investigating the conditions causing the formation of circular
flames and throw-overs on the frame of electric traction motors.
Trudy TSNII MPS no.172:37-55 '59. (MIRA 13:2)
(Electric railway motors)

NAKHODKIN, M.D., kand.tekhn.nauk: KUREASOV, A.S., kand.tekhn.nauk

Creation of a single-phase traction commutator motor for
industrial frequency. Vest.elektrom. 31 no.1:61-65 Ja
'60. (MIRA 13:5)

(Electric railway motors)

KURBASOV, A.S., kand.tekhn.nauk

Evaluating the commutation characteristics of traction motors. Tudy
TSNII MPS no.188:76-81 '60. (MIRA 14:2)
(Electric railway motors)

KURBASOV, ALEKSANDR SEVAST'YANOVICH, starshiy nauchnyy sotrudnik

Components of the transformer e.m.f. in the commutating turns
of a traction motor with pulsating current. Izv. vys. ucheb.
zav.; elektr. inzh. 4 no.6:27-32 '61. (MIRA 14:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut
zheleznodorozhnogo transporta.
(Electric railway motors)